

DICOM Correction Item

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|--|------------------|--------|
| Correction Number | | CP 704 |
| Log Summary: Use Request Attributes macro and add Performed Procedure Step Summary macro | | |
| Type of Modification | Name of Standard | |
| Clarification | PS 3.3 2007 | |
| <p>Rationale for Correction</p> <p>The Request Attributes macro is not used in all Series Modules that include Request Attributes Sequence.</p> <p>In addition, a summary of attributes of the Performed Procedure Step is also repeated in several Series Modules, and could be factored out into a macro.</p> <p>This CP does not change the meaning of the standard, only the documentation. Note that several IODs that do not include the General Series module but have their own Series modules do not include these attributes about the Request or the Performed Procedure Step at all – this includes the IODs that use the Spatial Registration, Spatial Fiducials, Real World Value Mapping, Stereometric, SR Document and Key Object Document Series – these are not affected by this CP.</p> | | |
| Sections of documents affected | | |
| PS 3.3 C.24.1 | | |
| Correction Wording: | | |

10.6 Request Attributes Macro

Table 10-9
REQUEST ATTRIBUTES MACRO ATTRIBUTES

| Attribute Name | Tag | Type | Attribute Description |
|--|-------------|--|--|
| Requested Procedure ID | (0040,1001) | 1 | Identifier that identifies the Requested Procedure in the Imaging Service Request. |
| Reason for the Requested Procedure | (0040,1002) | 3 | Reason for requesting this procedure. |
| Reason for Requested Procedure Code Sequence | (0040,100A) | 3 | Coded Reason for requesting this procedure. |
| >Include 'Code Sequence Macro' Table 8.8-1 | | Context ID may be defined in the macro invocation. | |
| Scheduled Procedure Step ID | (0040,0009) | 1 | Identifier that identifies the Scheduled Procedure Step. |
| Scheduled Procedure Step Description | (0040,0007) | 3 | Institution-generated description or classification of the Scheduled Procedure Step to be performed. |
| Scheduled Protocol Code Sequence | (0040,0008) | 3 | Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items. |
| >Include 'Code Sequence Macro' Table 8.8-1 | | Context ID may be defined in the macro invocation. | |

| | | | |
|--|-------------|--|--|
| >Protocol Context Sequence | (0040,0440) | 3 | Sequence that specifies the context for the Scheduled Protocol Code Sequence Item. One or more items may be included in this sequence. |
| >>Include 'Content Item Macro' Table 10-2 | | Context ID may be defined in the macro invocation. | |
| >> Content Item Modifier Sequence | (0040,0441) | 3 | Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1. |
| >>>Include 'Content Item Macro' Table 10-2 | | Context ID may be defined in the macro invocation. | |

10.x Performed Procedure Step Summary Macro

**Table 10.x-1
PERFORMED PROCEDURE STEP SUMMARY MACRO ATTRIBUTES**

| <u>Attribute Name</u> | <u>Tag</u> | <u>Type</u> | <u>Attribute Description</u> |
|--|--------------------|---|---|
| <u>Performed Procedure Step ID</u> | <u>(0040,0253)</u> | <u>3</u> | <u>User or equipment generated identifier of that part of a Procedure that has been carried out within this step.</u> |
| <u>Performed Procedure Step Start Date</u> | <u>(0040,0244)</u> | <u>3</u> | <u>Date on which the Performed Procedure Step started.</u> |
| <u>Performed Procedure Step Start Time</u> | <u>(0040,0245)</u> | <u>3</u> | <u>Time on which the Performed Procedure Step started.</u> |
| <u>Performed Procedure Step Description</u> | <u>(0040,0254)</u> | <u>3</u> | <u>Institution-generated description or classification of the Procedure Step that was performed.</u> |
| <u>Performed Protocol Code Sequence</u> | <u>(0040,0260)</u> | <u>3</u> | <u>Sequence describing the Protocol performed for this Procedure Step. One or more Items may be included in this Sequence.</u> |
| <u>>Include 'Code Sequence Macro' Table 8.8-1</u> | | <u>Context ID may be defined in the macro invocation.</u> | |
| <u>>Protocol Context Sequence</u> | <u>(0040,0440)</u> | <u>3</u> | <u>Sequence that specifies the context for the Performed Protocol Code Sequence Item. One or more items may be included in this sequence.</u> |
| <u>>>Include 'Content Item Macro' Table 10-2</u> | | <u>Context ID may be defined in the macro invocation.</u> | |
| <u>>> Content Item Modifier Sequence</u> | <u>(0040,0441)</u> | <u>3</u> | <u>Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1.</u> |
| <u>>>>Include 'Content Item Macro' Table 10-2</u> | | <u>Context ID may be defined in the macro invocation.</u> | |
| <u>Comments on the Performed Procedure Step</u> | <u>(0040,0280)</u> | <u>3</u> | <u>User-defined comments on the Performed Procedure Step.</u> |

C.7.3.1 General Series Module

Table C.7-5a specifies the Attributes that identify and describe general information about the Series within a Study.

**Table C.7-5a
GENERAL SERIES MODULE ATTRIBUTES**

| Attribute Name | Tag | Type | Attribute Description |
|---|------------------------|--|---|
| ... | ... | ... | ... |
| Request Attributes Sequence | (0040,0275) | 3 | Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items. |
| <i>>Include Request Attributes Macro Table 10-9</i> | | <i>No Baseline Context IDs defined</i> | |
| <i><u>Include Performed Procedure Step Summary Macro Table 10.x-1</u></i> | | <i><u>No Baseline Context IDs defined</u></i> | |
| Performed Procedure Step ID | (0040,0253) | 3 | User or equipment generated identifier of that part of a Procedure that has been carried out within this step. |
| Performed Procedure Step Start Date | (0040,0244) | 3 | Date on which the Performed Procedure Step started. |
| Performed Procedure Step Start Time | (0040,0245) | 3 | Time on which the Performed Procedure Step started. |
| Performed Procedure Step Description | (0040,0254) | 3 | Institution-generated description or classification of the Procedure Step that was performed. |
| Performed Protocol Code Sequence | (0040,0260) | 3 | Sequence describing the Protocol performed for this Procedure Step. One or more Items may be included in this Sequence. |
| <i>>Include 'Code Sequence Macro' Table 8.8-1</i> | | <i>No Baseline Context ID is defined.</i> | |
| >Protocol Context Sequence | (0040,0440) | 3 | Sequence that specifies the context for the Performed Protocol Code Sequence Item. One or more items may be included in this sequence. |
| <i>>>Include 'Content Item Macro' Table 10-2</i> | | <i>No Baseline Template is defined.</i> | |
| >> Content Item Modifier Sequence | (0040,0441) | 3 | Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1. |
| <i>>>>Include 'Content Item Macro' Table 10-2</i> | | <i>No Baseline Template is defined.</i> | |
| Comments on the Performed Procedure Step | (0040,0280) | 3 | User-defined comments on the Performed Procedure Step. |

C.8.8.1 RT Series Module

There exist significant differences in the manner in which RT objects as compared to diagnostic objects. An RT object can be one of several types, and a series of a given object type may be created over a temporal span of several weeks. The RT Series Module has been created to

satisfy the requirements of the standard DICOM Query/Retrieve model while including only those attributes relevant to the identification and selection of radiotherapy objects.

Table C.8-37 - RT SERIES MODULE ATTRIBUTES

| Attribute Name | Tag | Type | Attribute Description |
|---|------------------------|---|---|
| ... | ... | ... | ... |
| Request Attributes Sequence | (0040,0275) | 3 | Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items. |
| <i>>Include Request Attributes Macro Table 10-9</i> | | <i>No Baseline Context IDs defined</i> | |
| <u>Include Performed Procedure Step Summary Macro Table 10.x-1</u> | | <u>No Baseline Context IDs defined</u> | |
| Performed Procedure Step ID | (0040,0253) | 3 | User or equipment generated identifier of that part of a Procedure that has been carried out within this step. |
| Performed Procedure Step Start Date | (0040,0244) | 3 | Date on which the Performed Procedure Step started. |
| Performed Procedure Step Start Time | (0040,0245) | 3 | Time on which the Performed Procedure Step started. |
| Performed Procedure Step Description | (0040,0254) | 3 | Institution-generated description or classification of the Procedure Step that was performed. |
| Performed Protocol Code Sequence | (0040,0260) | 3 | Sequence describing the Protocol performed for this Procedure Step. One or more Items may be included in this Sequence. |
| <i>>Include 'Code Sequence Macro' Table 8.8-1</i> | | <i>No Baseline Context ID is defined.</i> | |
| >Protocol Context Sequence | (0040,0440) | 3 | Sequence that specifies the context for the Performed Protocol Code Sequence Item. One or more items may be included in this sequence. |
| <i>>>Include 'Content Item Macro' Table 10-2</i> | | <i>No Baseline Template is defined.</i> | |
| >> Content Item Modifier Sequence | (0040,0441) | 3 | Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1. |
| <i>>>>Include 'Content Item Macro' Table 10-2</i> | | <i>No Baseline Template is defined.</i> | |

C.24.1 Encapsulated Document Series Module

Table C.24-1 defines the Encapsulated Document Series Attributes.

Table C.24-1
Encapsulated Document Series Module Attributes

| Attribute Name | Tag | Type | Attribute Description |
|---|--------------------|--|---|
| ... | ... | ... | ... |
| Request Attributes Sequence | (0040,0275) | 3 | Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items. |
| >Include Request Attributes Macro Table 10-9 | | <u>No Baseline Context IDs defined</u> | |
| >Requested Procedure ID | (0040,1001) | 1C | Identifier that identifies the Requested Procedure in the Imaging Service Request. Required if Sequence Item is present. |
| >Reason for the Requested Procedure | (0040,1002) | 3 | Reason for requesting this procedure. |
| >Reason for Requested Procedure Code Sequence | (0040,100A) | 3 | Coded Reason for requesting this procedure. |
| >>Include 'Code Sequence Macro' Table 8.8-4 | | <u>No Baseline Context ID is defined.</u> | |
| >Scheduled Procedure Step ID | (0040,0009) | 1C | Identifier that identifies the Scheduled Procedure Step. Required if Sequence Item is present. |
| >Scheduled Procedure Step Description | (0040,0007) | 3 | Institution-generated description or classification of the Scheduled Procedure Step to be performed. |
| >Scheduled Protocol Code Sequence | (0040,0008) | 3 | Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items. |
| >>Include 'Code Sequence Macro' Table 8.8-4 | | <u>No Baseline Context ID is defined.</u> | |
| >>Protocol Context Sequence | (0040,0440) | 3 | Sequence that specifies the context for the Scheduled Protocol Code Sequence Item. One or more items may be included in this sequence. |
| >>>Include 'Content Item Macro' Table 10-2 | | <u>No Baseline Template is defined.</u> | |
| >>>Content Item Modifier Sequence | (0040,0441) | 3 | Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1. |
| >>>>Include 'Content Item Macro' Table 10-2 | | <u>No Baseline Template is defined.</u> | |
| <u>Include Performed Procedure Step Summary Macro Table 10.x-1</u> | | <u>No Baseline Context IDs defined</u> | |
| Performed Procedure Step ID | (0040,0253) | 3 | User or equipment-generated identifier of that part of a Procedure that has been carried out within this step. |

| | | | |
|---|--------------------|----------|--|
| Performed Procedure Step Start Date | (0040,0244) | 3 | Date on which the Performed Procedure Step started. |
| Performed Procedure Step Start Time | (0040,0245) | 3 | Time on which the Performed Procedure Step started. |
| Performed Procedure Step Description | (0040,0254) | 3 | Institution-generated description or classification of the Procedure Step that was performed. |
| Performed Protocol Code Sequence | (0040,0260) | 3 | Sequence describing the Protocol performed for this Procedure Step. One or more Items may be included in this Sequence. |
| <i>>Include 'Code Sequence Macro' Table 8.8-1</i> | | | <i>No Baseline Context ID is defined.</i> |
| >Protocol Context Sequence | (0040,0440) | 3 | Sequence that specifies the context for the Performed Protocol Code Sequence Item. One or more items may be included in this sequence. |
| <i>>>Include 'Content Item Macro' Table 10-2</i> | | | <i>No Baseline Template is defined.</i> |
| >>Content Item Modifier Sequence | (0040,0441) | 3 | Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1. |
| <i>>>>Include 'Content Item Macro' Table 10-2</i> | | | <i>No Baseline Template is defined.</i> |
| Comments on the Performed Procedure Step | (0040,0280) | 3 | User-defined comments on the Performed Procedure Step. |